

Title (en)
Switch with a switching mechanism actuated at an excessive temperature

Title (de)
Schalter mit einem bei Übertemperatur schaltenden Schaltwerk

Title (fr)
Interrupteur avec un mécanisme de commutation actionné une température excessive

Publication
EP 0778597 B1 20010725 (DE)

Application
EP 96115007 A 19960919

Priority
DE 19545998 A 19951209

Abstract (en)
[origin: EP0778597A2] The switch has a movable contact part (18). This cooperates at least with a first counter contact (19) forming, with this, a first switch contact (20). This contact is opened or closed in dependence in the temperature of the switch mechanism (16). The switch has at least a first heat resistor (35). This resistor is provided on the movable contact part (18). The switch may also have a second heat resistor which may also be formed on the movable contact part (18). This cooperates with a second counter contact forming a second switch contact. The second switch contact has a switch state opposite that of the first contact. The switch mechanism may be formed as an alternating switch. In a first switch state, in which the first switch contact is closed, the first heat resistor is connected in series between switch terminals. In a second switch state, in which the second switch contact is closed, the second resistor is connected in series between a different pair of terminals.

IPC 1-7
H01H 37/54; **H01H 71/16**

IPC 8 full level
H01H 1/50 (2006.01); **H01H 37/54** (2006.01); **H01H 71/16** (2006.01)

CPC (source: EP US)
H01H 1/504 (2013.01 - EP US); **H01H 71/16** (2013.01 - EP US)

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Designated contracting state (EPC)
AT BE CH DE ES FR GB IT LI NL PT

DOCDB simple family (publication)
EP 0778597 A2 19970611; **EP 0778597 A3 19980527**; **EP 0778597 B1 20010725**; AT E203628 T1 20010815; DE 19545998 A1 19970612; DE 19545998 C2 19980520; DE 59607356 D1 20010830; ES 2161319 T3 20011201; PT 778597 E 20011130; US 5835001 A 19981110

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